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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: V. Faber et al.

Attorney Docket No.: LIZA118255

Application No.: 10/006,999

Group Art Unit: 2621

Filed: December 3, 2001

Title: METHOD FOR LOSSLESS ENCODING OF IMAGE DATA BY APPROXIMATING LINEAR TRANSFORMS AND PRESERVING SELECTED PROPERTIES FOR IMAGE PROCESSING



INFORMATION DISCLOSURE STATEMENT

March 13, 2002

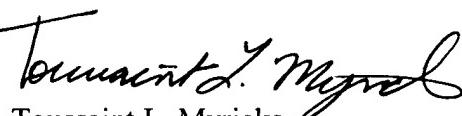
TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

Copies of the listed patents, publications, and other information are enclosed for the Examiner's use.

Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,
CHRISTENSEN O'CONNOR
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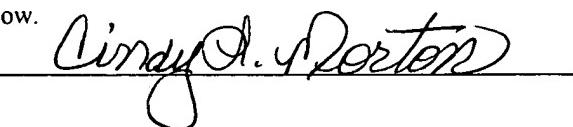

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid addressed to the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202, on the date specified below.

Date: March 13, 2002



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**INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE
PROSECUTION OF THE SUBJECT APPLICATION**

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PATENT & TRADEMARK OFFICE
METHOD FOR LOSSLESS ENCODING OF IMAGE DATA BY APPROXIMATING LINEAR TRANSFORMS AND PRESERVING SELECTED PROPERTIES FOR IMAGE PROCESSING

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
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None

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Provided	Abstract Provided	Translation Provided
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None

OTHER INFORMATION

*Examiner Initial	Cite No.	Description (Including Author, Title, Date, Pertinent Pages, Etc.)
_____	O1	Daubechies, I. and W. Sweldens, "Factoring Wavelet Transforms Into Lifting Steps," <i>J. Fourier Anal. Appl.</i> 4:247-269, 1998.
_____	O2	Gohberg, I., et al., <i>Matrix Polynomials</i> , Academic Press, New York, 1982, Chapter S-1, "The Smith Form and Related Problems," pp. 313-341.
_____	O3	Park, H., "A Realization Algorithm for $SL_2(R[x_1, \dots, x_m])$ Over the Euclidean Domain," <i>SIAM J. Matrix Anal. Appl.</i> 21:178-184, 1999.
_____	O4	Park, H. and C. Woodburn, "An Algorithmic Proof of Suslin's Stability Theorem for Polynomial Rings," <i>J. Algebra</i> 178:277-298, 1995.
_____	O5	Sweldens, W., "The Lifting Scheme: A Custom-Design Construction of Biorthogonal Wavelets," <i>Appl. Com-put. Harmon. Anal.</i> 3:186-200, 1996.
_____	O6	Sweldens, W., "The Lifting Scheme: A Construction of Second-Generation Wavelets," <i>SIAM J. Math. Anal.</i> 29:511-546, 1998.

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- _____ O7 Tolhuizen, L., et al, "On the Realizability of Bi-Orthogonal, M-Dimensional Two-Band Filter Banks," *IEEE Trans. Signal Processing* 43:640-648, 1995.
- _____ O8 Villasenor, J., et al., "Wavelet Filter Evaluation for Image Compression," *IEEE Trans. Image Processing* 4:1053-1060, 1995.
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Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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